

Exhibit Name: Indemnity Calculations  
 Exhibit Number: P21-9, Plan 90  
 Record Name: Acreage Claim  
 Record Code: P21

Reinsurance Year: 2011  
 Version: DRAFT  
 Release Date: 9/30/2010

Insurance Plan Code		90 Actual Production History			
<u>Commodity Code</u>	0012 Blueberries	0047 Dry Beans	0089 Pears	0223 Fresh Freestone Peaches	
	0013 Onions	0049 Safflower	0092 Fresh Plums	0224 Early & Midseason Oranges	
	0016 Oats	0052 Table Grapes	0094 Rye	0225 Late Oranges	
	0017 Millet	0053 Grapes	0107 Alfalfa Seed	0226 All Other Grapefruit	
	0019 Avocados	0054 Apples	0114 Buckwheat	0228 Ruby Red Grapefruit	
	0022 Cotton Extra Long	0055 Culti Wild Rice	0147 Pumpkins	0229 Flue Cured Tobacco	
	0023 Macadamia Nuts	0058 Cranberries	0201 Grapefruit	0230 Fire Cured Tobacco	
	0028 Almonds	0059 Silage Sorghum	0202 Lemons	0231 Burley Tobacco	
	0029 Walnuts	0060 Figs	0205 Mandarins	0232 Maryland Tobacco	
	0031 Flax	0064 Green Peas	0206 Minnelo Tangelos	0233 Dark Air Tobacco	
	0033 Forage Production	0067 Dry Peas	0215 Navel Oranges	0234 Cigar Filler Tobacco	
	0034 Peaches	0069 Mustard	0216 Sweet Oranges	0235 Cigar Bindr Tobacco	
	0036 Prunes	0072 Cabbage	217 Valencia Oranges	0236 Cigar Wrapper Tobacco	
	0038 Sugar Cane	0074 Mint	0218 Fresh Apricots	0237 Orlando Tangelos	
	0039 Sugar Beets	0075 Peanuts	0219 Processing Apricots	0238 Rio Red & Star Ruby	
	0042 Sweet Corn	0084 Potatoes	0220 Fresh Nectarines	0255 Banana	
	0043 Popcorn	0086 Fresh Tomatoes	0221 Processing Cling Peaches	0256 Coffee	
	0046 Canning Beans	0087 Tomatoes	0222 Processing Freestone	0257 Papaya	

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 1: Stage Guarantee Calculation						
When Units Of Measure equals LBS, "99" Without Acreage Limitation:  $\text{Guarantee Per Acre1} = \frac{\text{Approved Yield} * \text{Coverage Level Percent} * \text{Stage Percent Factor}}{\text{Percent Factor}}$	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
	Stage Percent Factor	ICE		999.99	None	Edit with ICE Stage Factor, "D00069".

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<del>Premium</del> Acre Stage Guarantee Amount = Guarantee Per Acre1 * Guarantee Adjustment Factor <del>Quantity</del>	<del>Premium-Acre-Guarantee-Quantity</del>	Internal		99999999.99	Round to whole number--	
	Acre Stage Guarantee Amount	P21	36	99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	
<del>Acre-Stage-Guarantee-</del> = <del>Premium-Acre-Guarantee-Quantity</del> * <del>Stage-Percent-Amount</del> / <del>Factor</del>	<del>Acre-Stage-Guarantee-Amount</del>	<del>P21</del>	36	99999999.99	Round to whole number--	
	<del>Stage-Percent-Factor</del>	ICE		999.99	None	Edit with ICE Stage Factor, "D00069".
<b>When Units Of Measure equals Tons, "12":</b>  Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	<del>Guarantee-Per-Acre1</del>	Internal		99999999.99	Round to 2 decimals:	
	<del>Approved-Yield</del>	P11	47	99999999.99	None	
	<del>Coverage-Level-Percent</del>	P14	33	9.9999	None	
<del>Premium-Acre-Guarantee-</del> = <del>Guarantee-Per-Acre1</del> * <del>Guarantee-Adjustment-Factor</del> <del>Quantity</del>	<del>Premium-Acre-Guarantee-Quantity</del>	Internal		99999999.99	Round to 2 decimals:	
	<del>Guarantee-Adjustment-Factor</del>	P11	41	0.999		
<del>Acre-Stage-Guarantee-</del> = <del>Premium-Acre-Guarantee-Quantity</del> * <del>Stage-Percent-Amount</del> / <del>Factor</del>	<del>Acre-Stage-Guarantee-Amount</del>	P21	36	99999999.99	Round to 2 decimals:	
	<del>Stage-Percent-Factor</del>	ICE		999.99	None	Edit with ICE Stage Factor, "D00069".
<b>With Acreage Limitation - Cabbage (except processing), Onions (when provided by Special Provisions), Potatoes (Certified Seed),and Hawaii Tropical Fruit all other Units of Measure:</b>      Guarantee Per Acre1 = <del>Packout-Factor</del> Yield Conversion Factor * Stage Percent Factor	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
	<del>Historical-Packout-Factor</del>	Internal		9.999	None	
	Yield Conversion Factor	P11	64	9.999	None	
	Stage Percent Factor	ICE		999.99	None	Edit with ICE Stage Factor, "D00069".

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Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Guarantee Per Acre2 = Guarantee Per Acre1 * Yield Conversion Factor	Guarantee Per Acre2	Internal		99999999.99	Round to 1 decimal.	
	Yield Conversion Factor	P11	62	9.999	None	
Premium Acre Stage Guarantee Amount = Guarantee Per Acre12 * Guarantee Adjustment Factor Quantity-	Premium Acre Guarantee-Quantity-	Internal		99999999.99	Round to whole number.-	
	Acre Stage Guarantee Amount	P21	36	99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	
Acre Stage Guarantee-Amount = Premium Acre Guarantee-Quantity * Stage Percent-Factor	Acre Stage Guarantee Amount	P21	36	99999999.99	When Units Of Measure equals Cartons, "04" or Hundredweight, "08", then round to 1 decimals.  Otherwise round to 2-decimals.	
	Stage Percent Factor	ICE		999.99	None	Edit with ICE Stage Factor, "D00069".
Section 2: Loss Guarantee Calculation						
Loss Guarantee Amount = Acre Stage Guarantee Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	48	99999999.99	When Unit of Measure equals Barrels, "01" or Pounds, "09" Tons then round to 1 decimal.  Otherwise, round to whole number.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	40	9.999999	None	
Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 3: Indemnity Calculation						
Unit Deficiency Quantity = Loss Guarantee Amount – Production to Count Quantity	Unit Deficiency Quantity	P21	35	S99999999.99	When Units of Measure equals Barrels Dollars, "07" or Pounds, "09" Tons then round to whole number-1 decimal.  Otherwise, round to 1-decimal-whole number.	
	Production to Count Quantity	P21	34	99999999.99	None	

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Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Preliminary Indemnity Amount = $\text{Unit Deficiency Quantity} * \text{Price Election Percent} * \text{Amount} * \text{Stage Price Percent Factor} * \text{Insured Share Percent}$	Preliminary Indemnity Amount	P21	50	S999999999	Round to whole number.	
	Price Election <del>Percent</del> Amount	ICE-P11	49	9999.9999	None	Edit with ICE Price Election Percent, "D00007".
	Stage <del>Price</del> Percent Factor	ICE		999.99	None	Edit with ICE Stage Factor, "D00069".
	Insured Share Percent	P11	47	9.999	None	
Indemnity Amount = $\text{Preliminary Indemnity Amount} * \text{Multiple Commodity Adjustment Factor}$	Indemnity Amount	P21	51	S999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
When CEO Coverage Level is greater than zero:						
CEO Indemnity Factor = $\text{CEO Coverage Level} / \text{Coverage Level Percent}$	CEO Indemnity Factor	P21	47	9.99999	Round to 5 decimals.	
	CEO Coverage Level	ICE P11	68	9.9999	None	Edit with ICE Coverage Level, "D00054".
	Coverage Level Percent	P14	34	9.9999	None	
Indemnity Amount = Indemnity Amount * CEO Indemnity Factor	Indemnity Amount	P21	51	S999999999	Round to whole number.	
Section 4: Replant Payment Guarantee Calculation						
When Stage Code equals: Replanted, "R", Replanted Seed, "RS", Replanted Transplant, "RT"						
Stage Guarantee Per Acre = Maximum Replant Guarantee Per Acre	Stage Guarantee Per Acre	P21	50	99999999.99	Round to whole number.	When Commodity Code is Popcorn, "0043", Rice, "0018", Fresh Market Tomatoes, "0086", or Peanuts, "0075".
Guarantee per Acre1 = $\text{Approved Yield} * \text{Coverage Level Percent}$	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
<del>Premium Acre</del> Guarantee Per Acre2 <del>Quantity</del> = $\text{Guarantee Per Acre1} * \text{Guarantee Adjustment Factor}$	<del>Premium Acre</del> Guarantee Per Acre2 <del>Quantity</del>	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	Guarantee Adjustment Factor must equal 1.000 when Commodity Code is Peanuts, "0075".

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<p>Lesser of:</p> <p>Acre Stage Guarantee Amount = <del>Premium-Acre Guarantee Per Acre2 Quantity * Stage-Percent-Factor</del> * 0.20 (0.10 for Dry Beans and Sugar Beets, 0.07 for Onions)</p> <p>Or</p> <p>Maximum Replant Guarantee Per Acre</p>	Acre Stage Guarantee Amount	P21	36	99999999.99	<p>When Unit of Measure equals Pounds, "LBS", then round to whole number.</p> <p>When Unit of Measure equals Tons, "Tons", then round to 2 decimals.</p> <p>Otherwise, round to 1 decimal.</p>	
	Guarantee Per Acre2	Internal		99999999.99		
	Stage-Percent-Factor	ICE		999.99	None	<p><del>Stage-Percent-Factor equals 0.10, when-Commodity Code is Dry Beans, "0047", Sugar-Beets, "0039".</del></p> <p><del>Stage-Percent-Factor equals 0.25 when-Commodity Code is Tomatoes, "0087".</del></p> <p><del>Stage-Percent-Factor equals 0.22 when-Commodity Code is Onions, "0013" in-Location State Code, New York, "36". For all other Location States, Stage-Percent-Factor-</del></p>
	Maximum Replant Guarantee Per Acre	ICE				

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Commodity Code equals Peanuts "0075"          Lesser of:  Acre Stage Guarantee = Amount  Premium Acre Guarantee Per Acre2 Quantity * 0.20 * (Price Election Amount or Weighted Average Price)  Or  Maximum Replant Guarantee Per Acre	Acre Stage Guarantee Amount	P21	36	99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Guarantee Per Acre2	Internal		99999999.99		
	Price Election Amount	ADM-P11		9999.9999	None	
	Maximum Replant Guarantee Per Acre	ICE				TBA
Section 5: Replant Payment Loss Guarantee Calculation						
Loss Guarantee Amount = Acre Stage Guarantee Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	48	99999999.99	When Unit of Measure equals Barrels, " <del>01</del> " or Tons, " <del>12</del> " then round to 1 decimal.  Otherwise, round to whole number.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	40	9.999999	None	
Section 6: Replant Payment Indemnity Calculation						
Indemnity Amount = Loss Guarantee Amount * Price Election Amount * Insured Share Percent	Indemnity Amount	P21	51	S9999999999	Round to whole number.	
	Price Election Amount	ADM-P11		9999.9999	None	Price Election Amount equals 1.000 when Commodity Code equals Peanuts, "0075".  Edit with the Price ADM, "A00810".
	Insured Share Percent	P11	47	9.999	None	